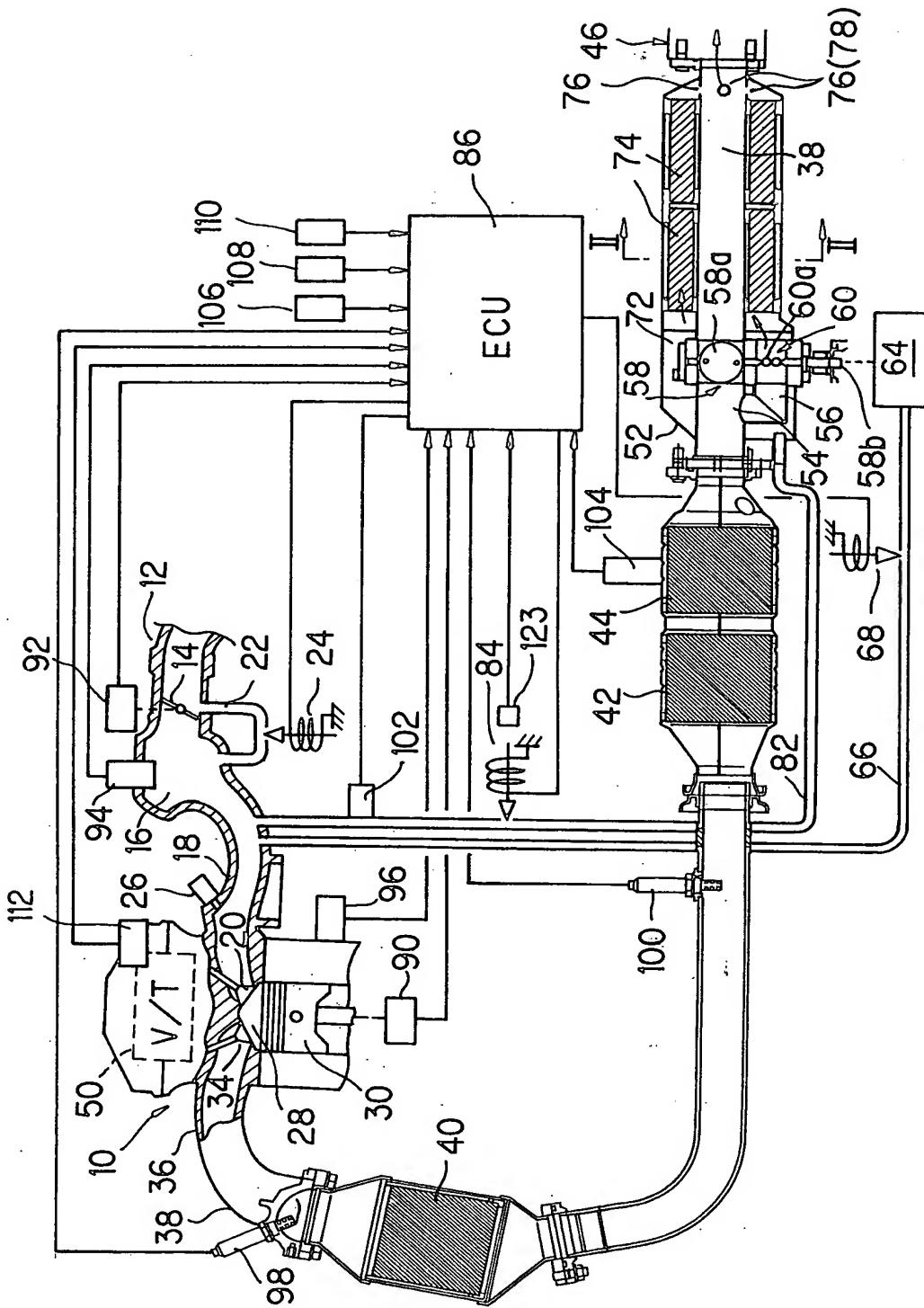


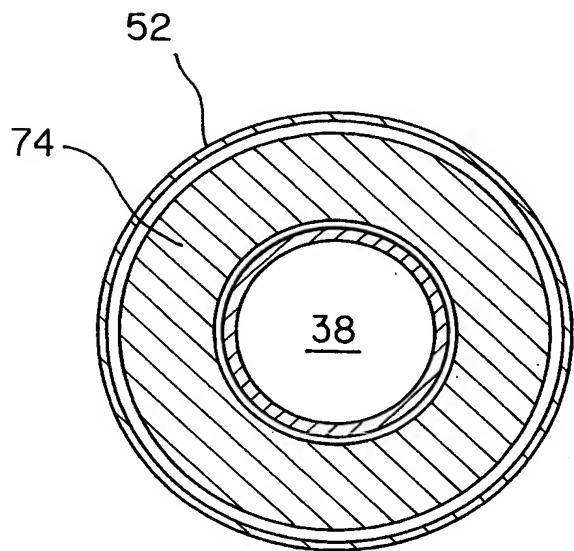
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FIG. 1



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F1G.2



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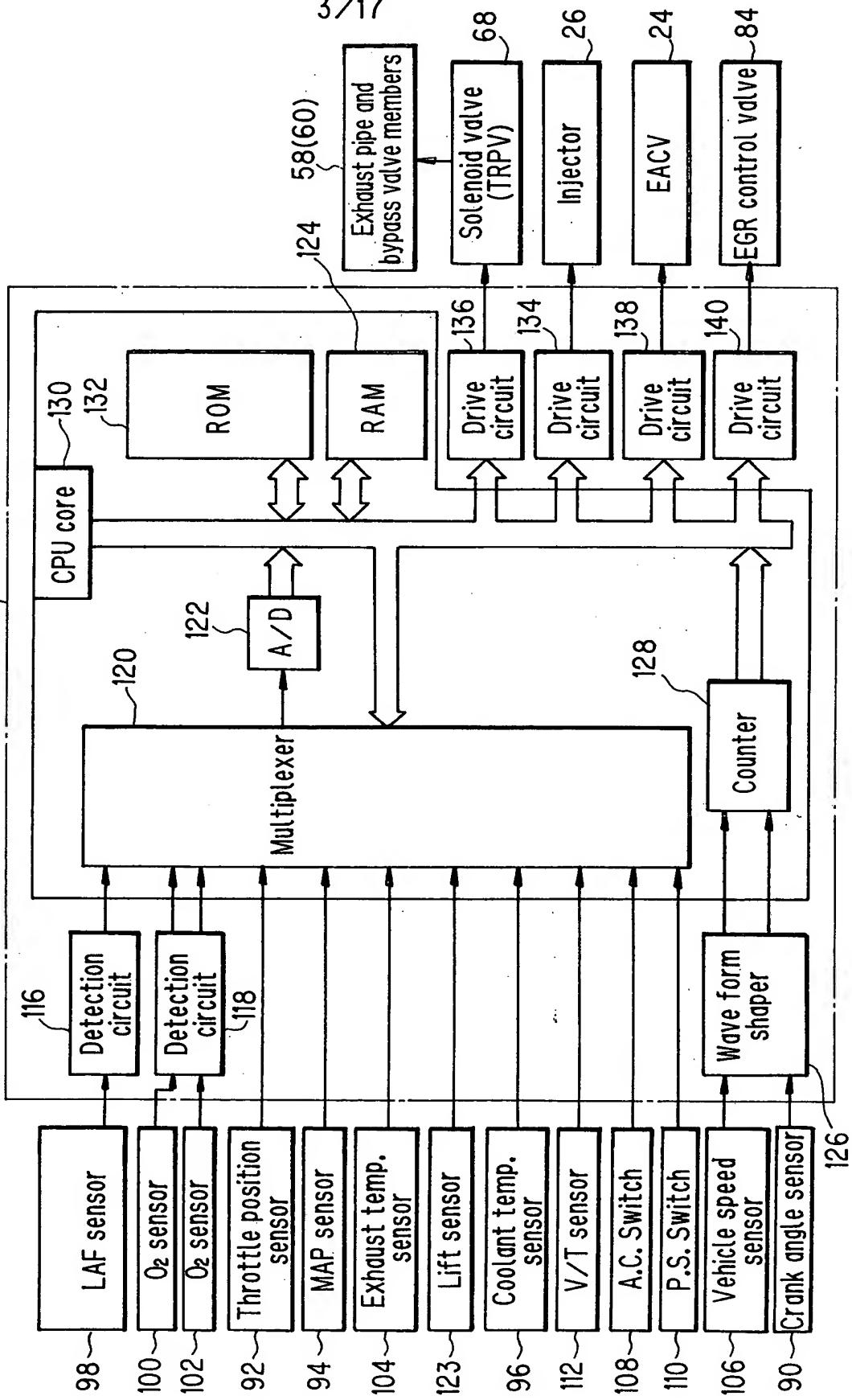
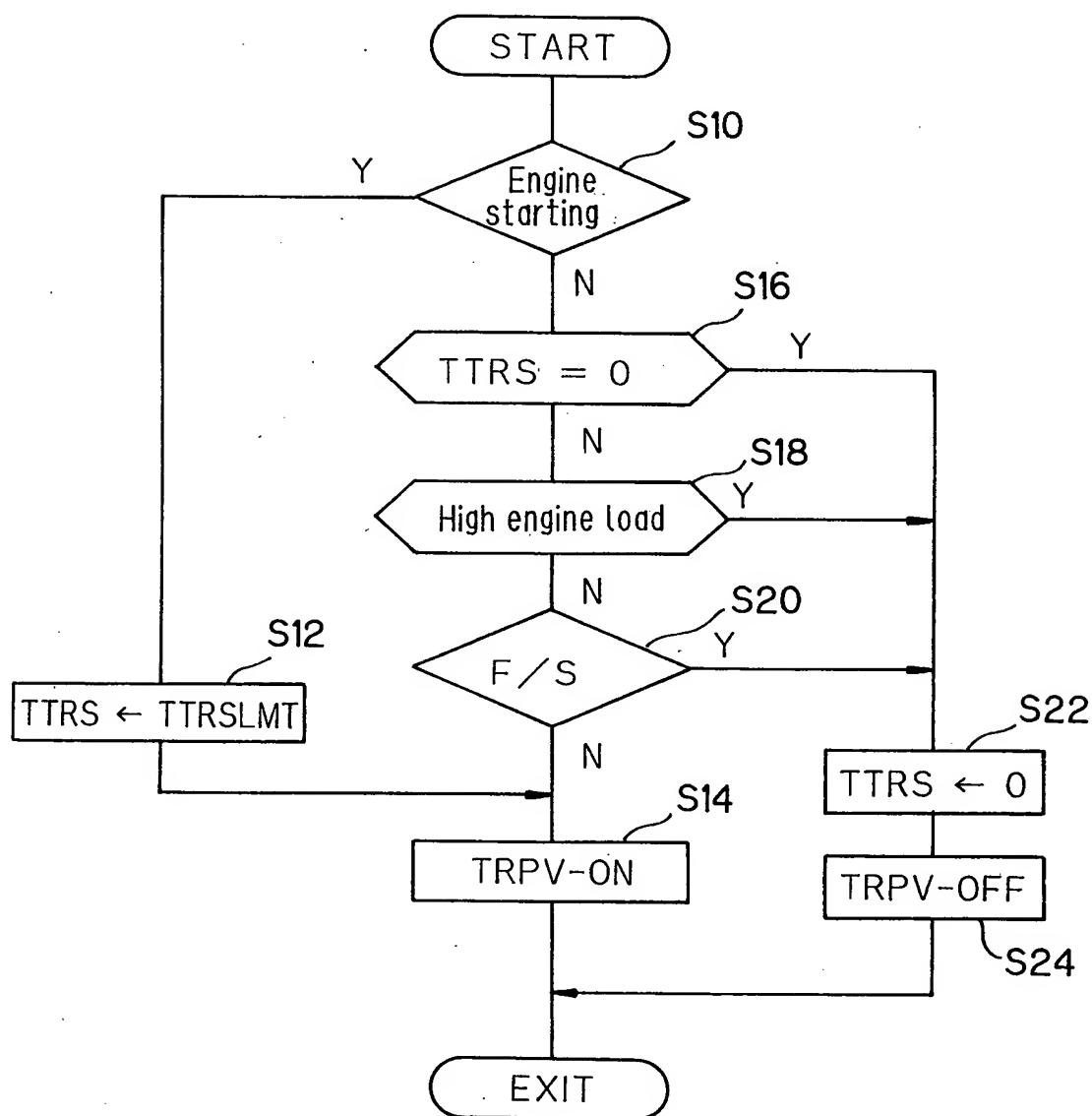
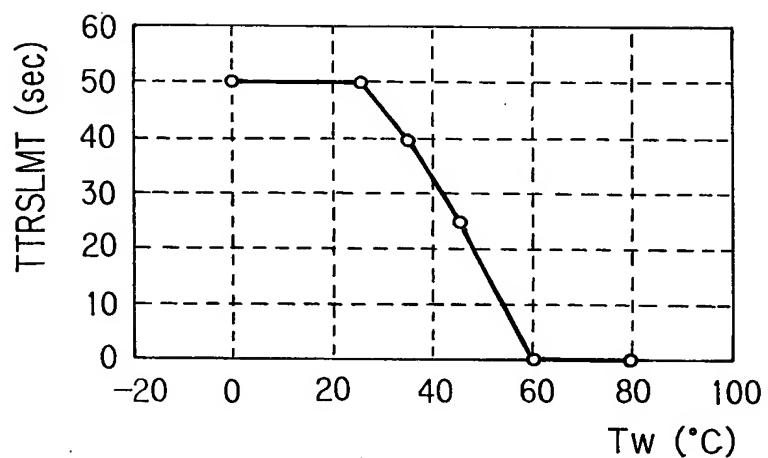


FIG. 4



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FIG. 5



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From engine starting and low temperature (HC adsorption mode)

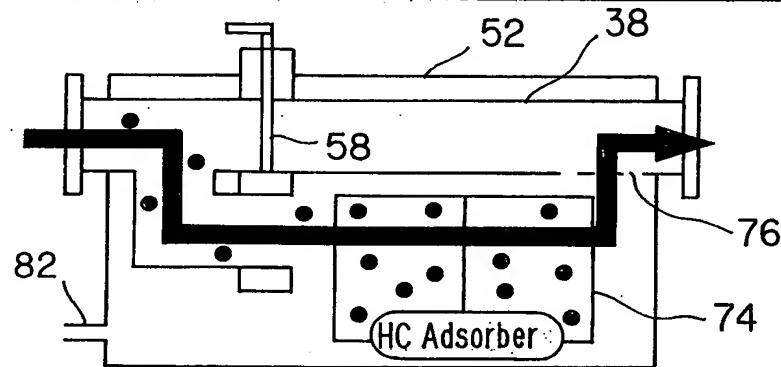


FIG. 7

Normal temperature and without EGR (HC trapping mode)

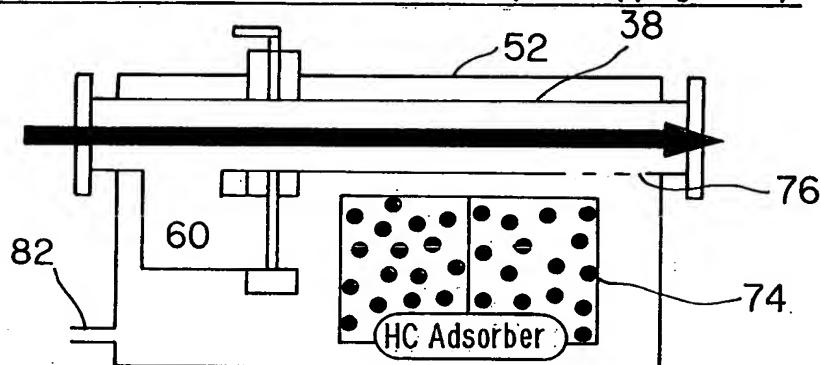
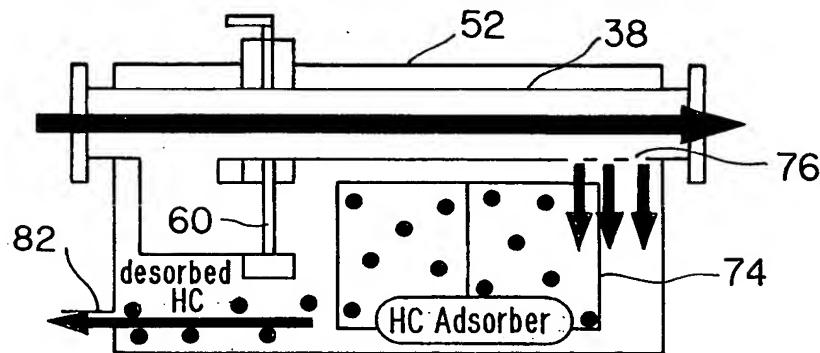


FIG. 8

Normal temperature and with EGR (HC purging mode)



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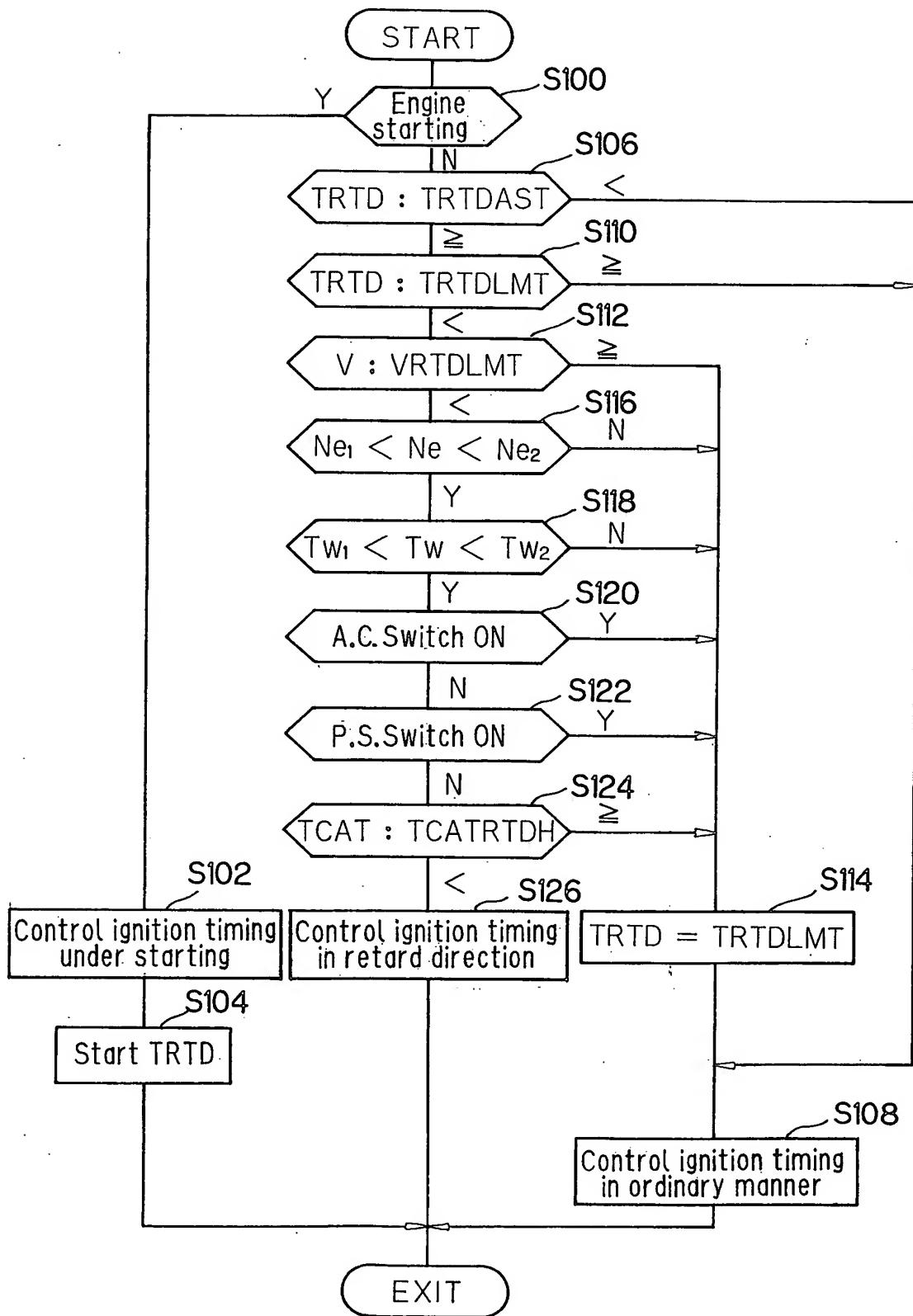


FIG. 10

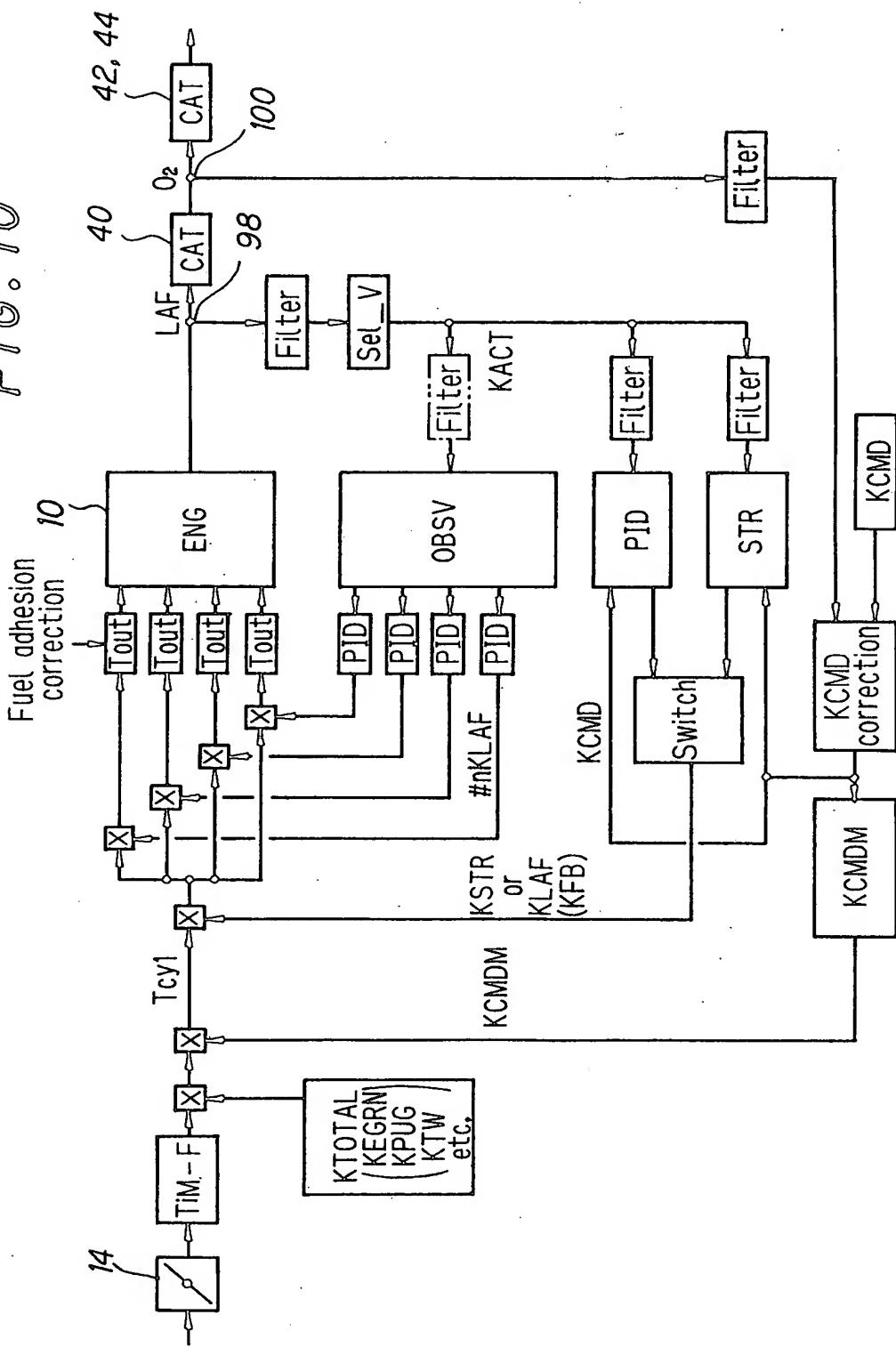
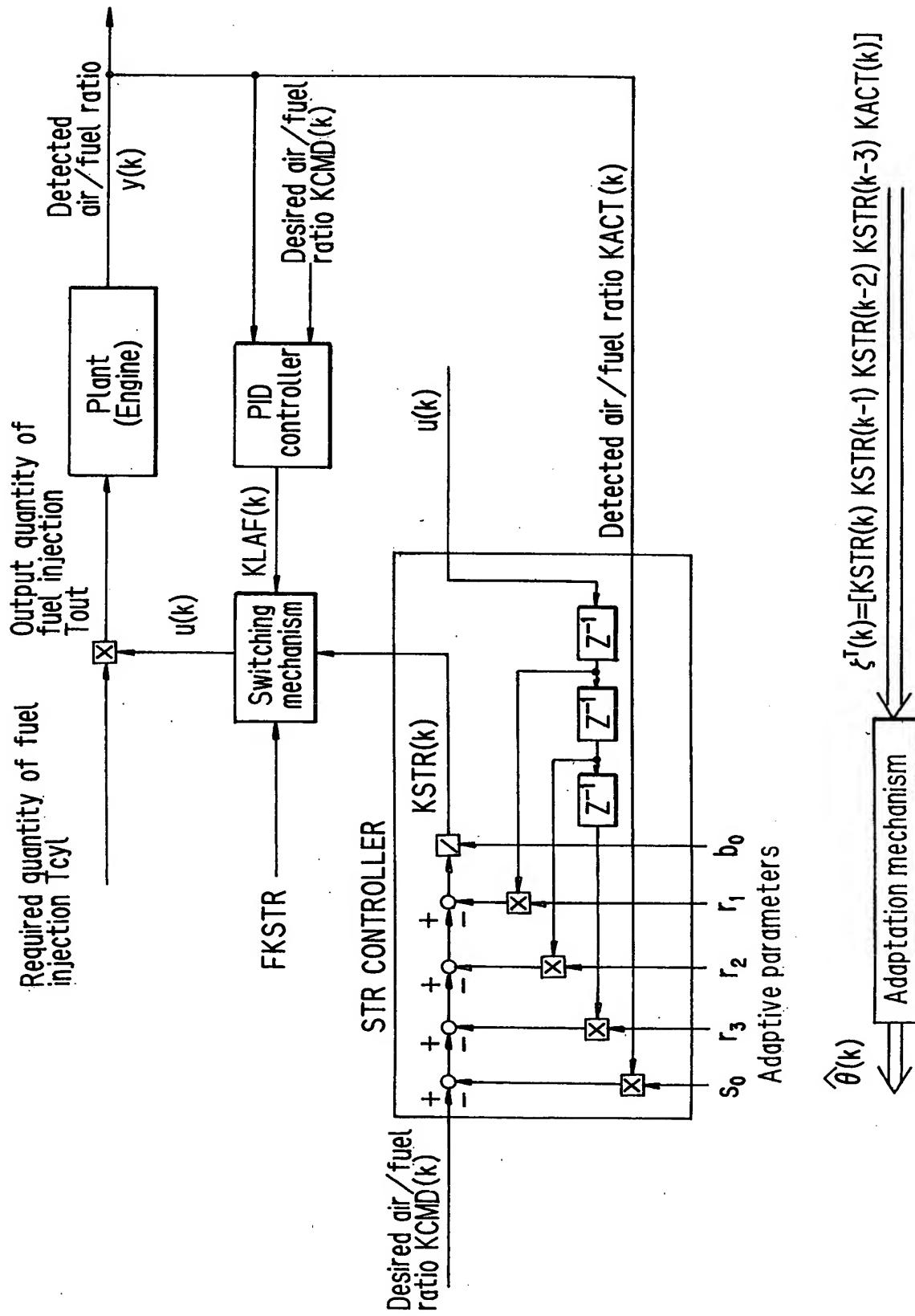
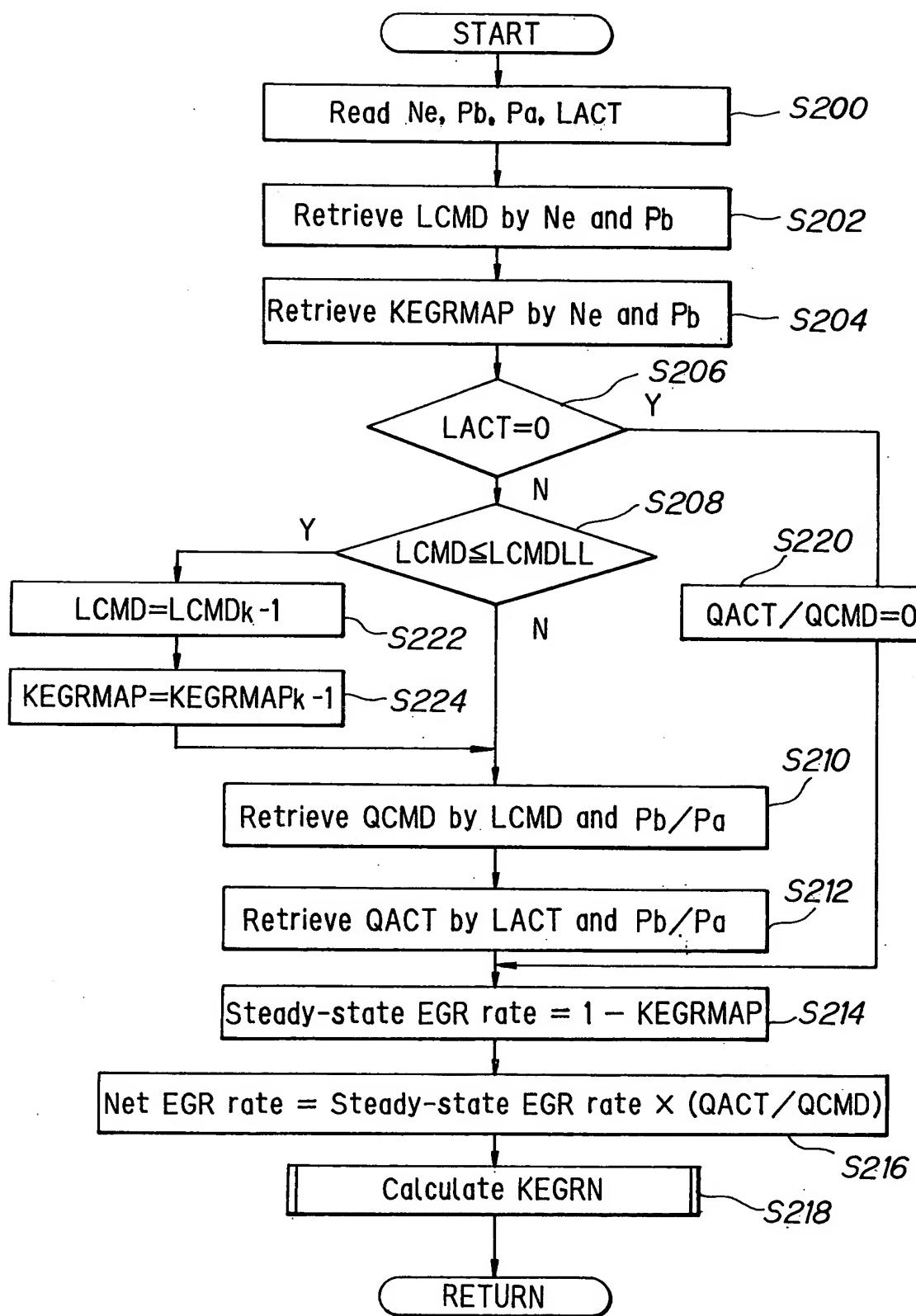


FIG. 11

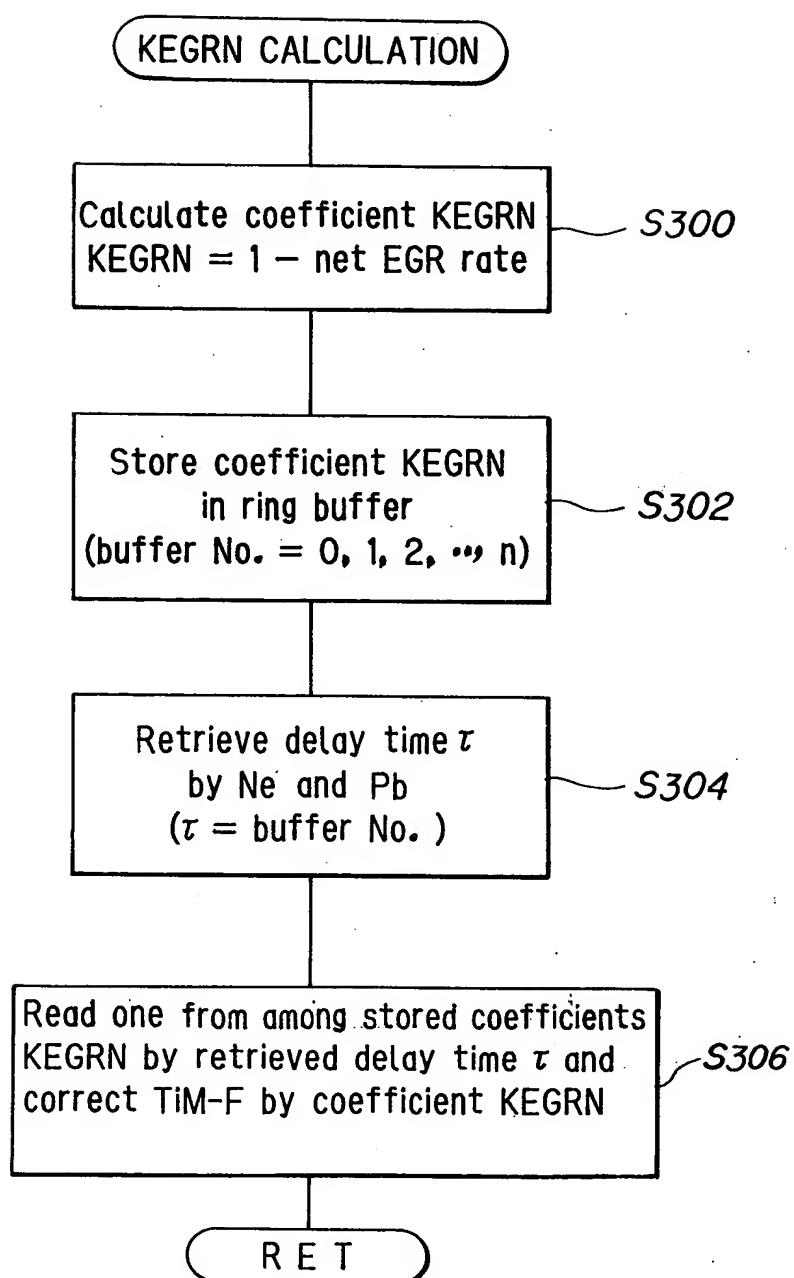


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FIG. 12



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FIG. 13



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FIG. 14

KEGRN

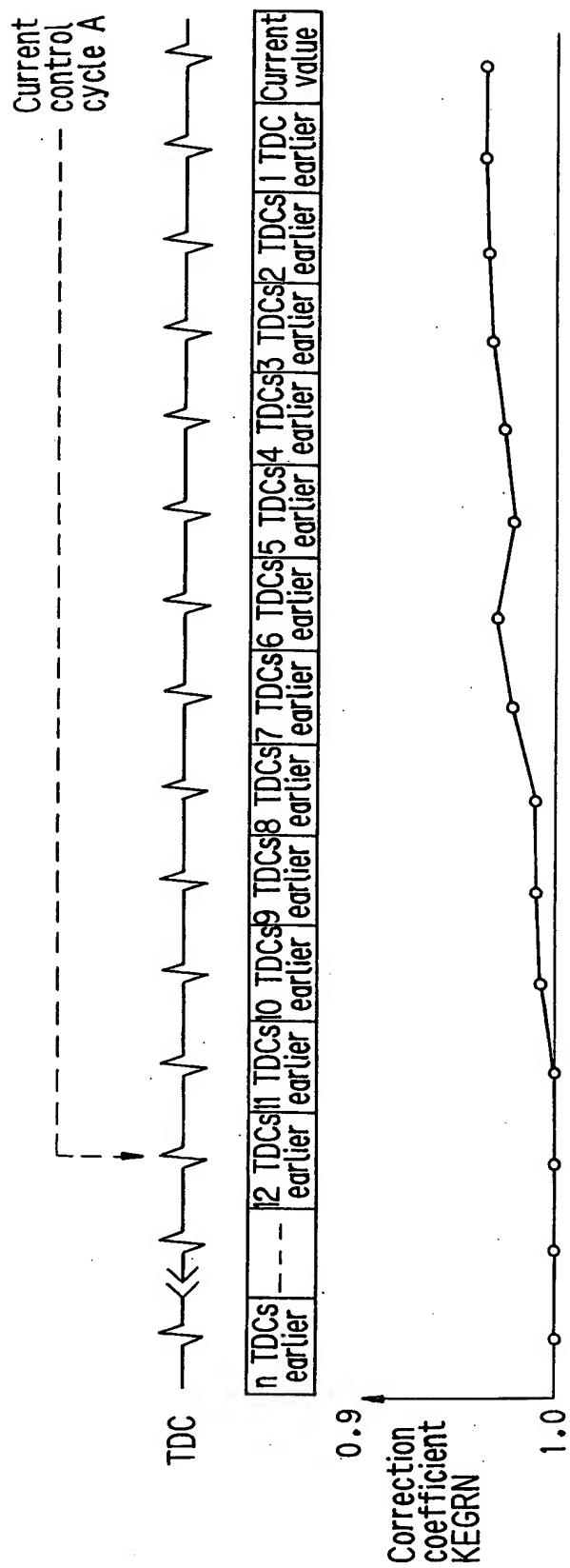
NO	Current value
0	
1	1 TDC earlier
2	2 TDCs earlier
3	3 TDCs earlier
4	//
5	//
6	//
7	//
8	//
9	//
10	//
11	//
12	//
⋮	⋮
n	

FIG. 15

	Pb				
Ne					

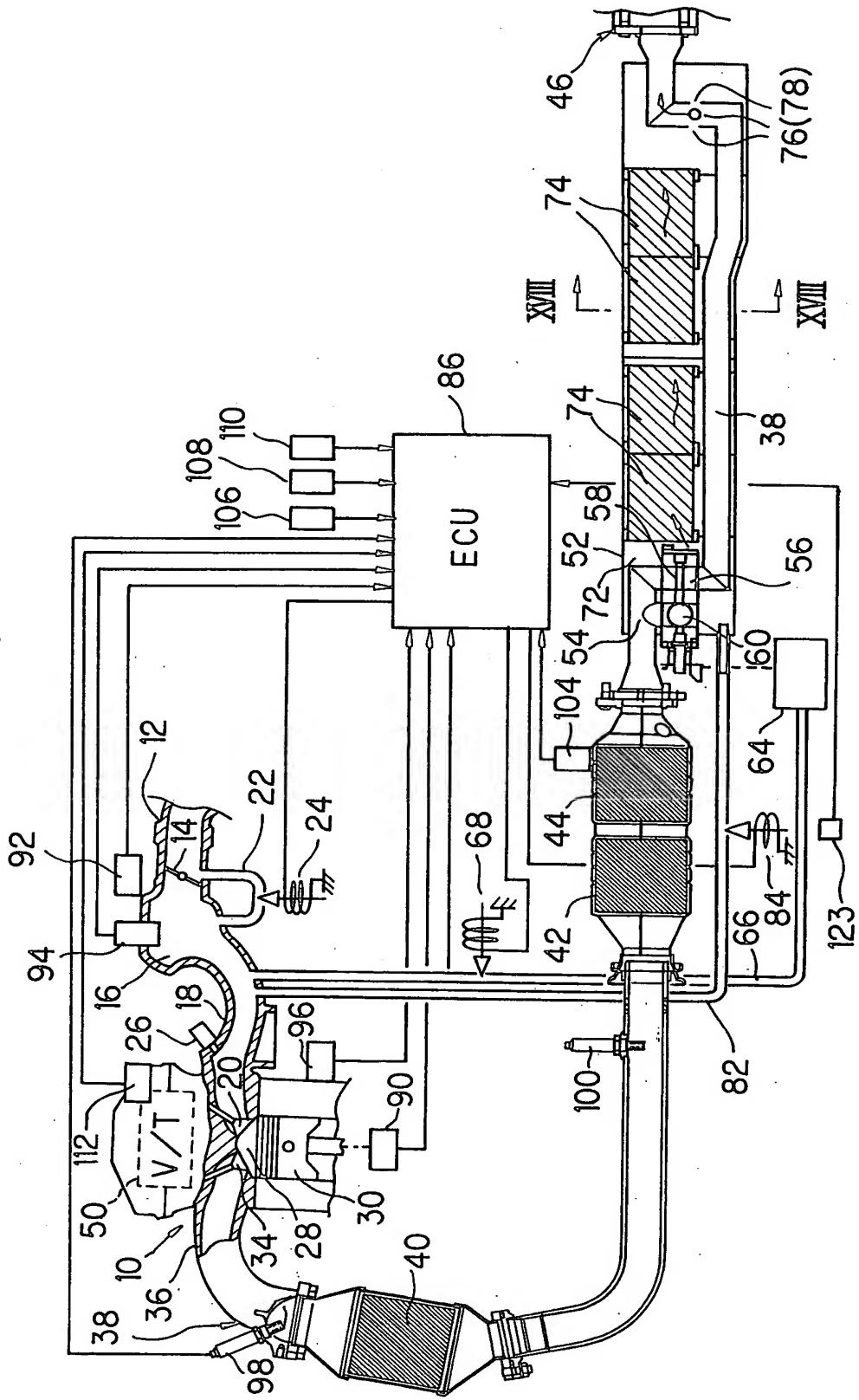
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FIG. 16



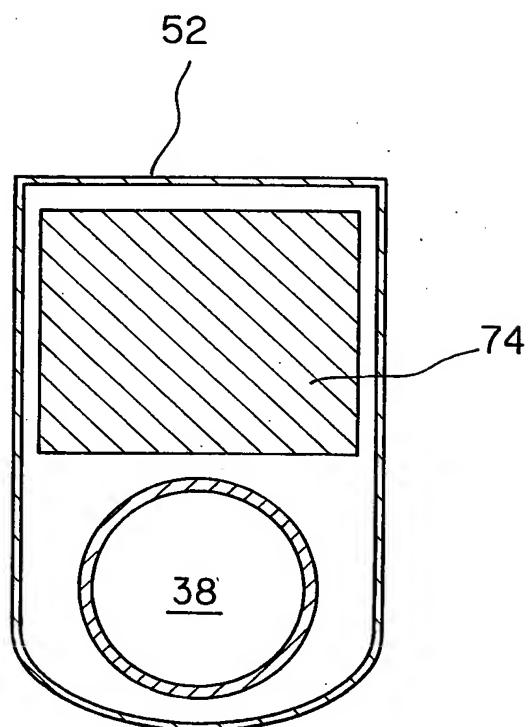
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FIG. 17



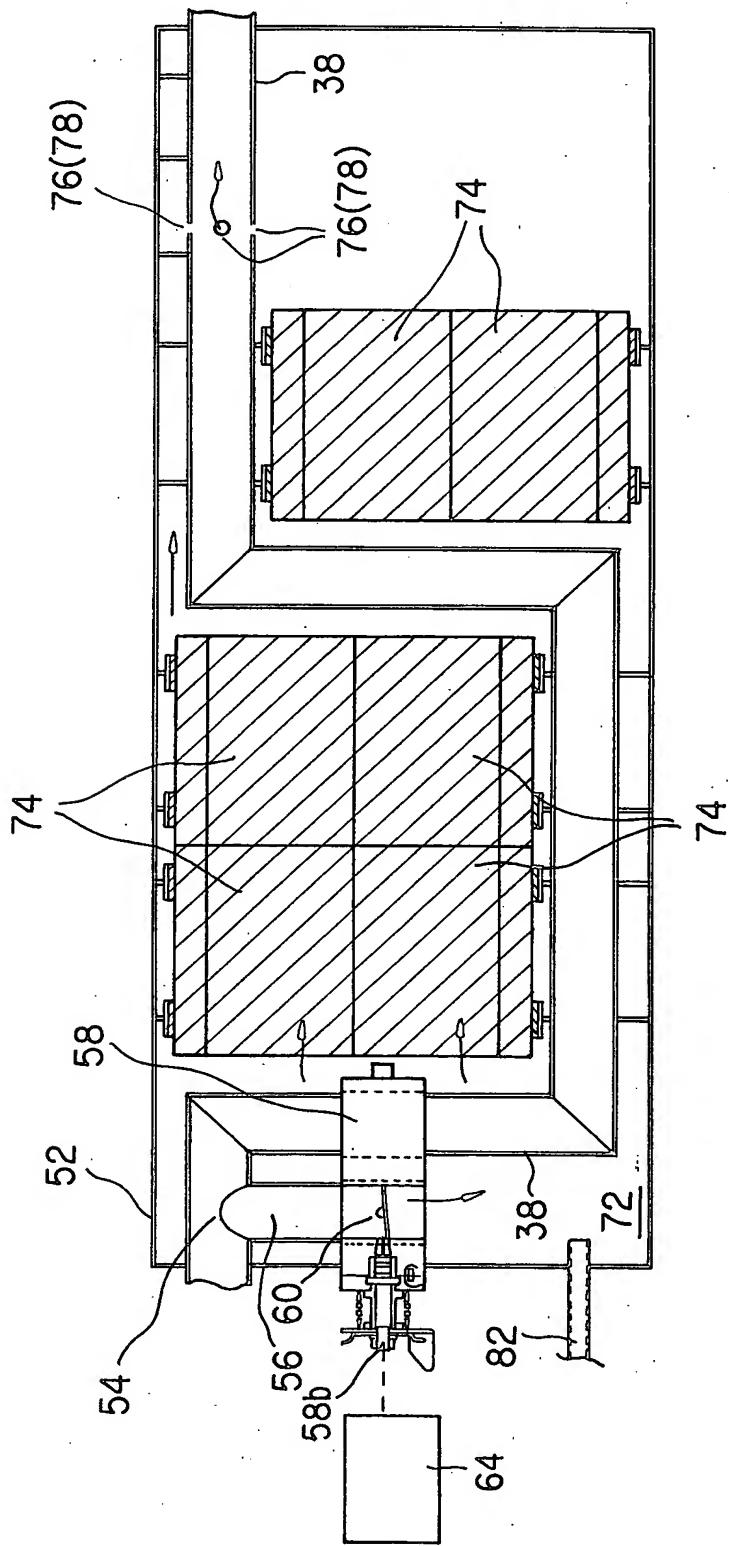
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FIG. 18



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FIG. 19



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FIG. 20

